

CLAIMS

1. Use of D-ribose in the manufacture of a medicament to be administered as a unit dosage of 2-8 g of ribose two or three times per day for treatment of coronary artery disease and congestive heart failure on a maintenance basis without abdominal distress and diarrhea.
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2. The use of claim 1, wherein the D-ribose is in combination with a vasodilator.
- 10 3. The use of claim 2, wherein the vasodilator is L-arginine, nitroglycerine, a nitrate, a nitrite, papaverine, isoproterenol, nylidrin, isoxsuprine, nitroprusside, adenosine, xanthine, ethyl alcohol, dipyramide, hydrazaline, minoxidil or diazoxide.
- 15 4. The use of claim 2, wherein
the vasodilator is nitroglycerine, a nitrate, a nitrite, or nitroprusside, and
the D-ribose is for ingestion orally and
the vasodilator is for administration fifteen minutes later sublingually,
buccally or transdermally.
- 20 5. The use of any preceding claim, wherein the D-ribose is in combination with at least one of glucose, glutamine, Vitamin C, Vitamin B6, Vitamin B12, and folic acid.
- 25 6. The use of any preceding claim, wherein the D-ribose is in combination with at least one of L-carnitine, taurine, creatine, Coenzyme Q10 or pyravate.
7. The use of any preceding claim, wherein the medicament is for administration of three to five grams, of D-ribose two to three times daily to the subject.

8. A composition for improving cardiovascular function of a subject comprising a unit dose of 2-8g of D-ribose in combination with a vasodilator.

5 9. The composition of claim 8, wherein the vasodilator is L-arginine, nitroglycerine, a nitrate, a nitrite, papaverine, isoproterenol, nylidrin, isoxsuprine, nitroprusside, adenosine, xanthine, ethyl alcohol, dipyramide, hydrazaline, minoxidil or diazoxide.

10 10. The composition of claim 8 or 9, further comprising at least one of glucose, glutamine, Vitamin C, Vitamin B6, Vitamin B 12 and folic acid.

11. The composition of claim 8, 9 or 10, further comprising at least one of L-carnitine, taurine, creatine, Coenzyme Q 10 and pyravate.